

[superscriptaddress, nofootbib]revtex4

graphicx axodraw 241mm 170mm

$T^+T^-T^\pm T^0\bar{T}^0 / -0.1inE_T$

document revtex

Report of the Subgroup on Alternative Models and New Ideas

M. Chertok\* University of California at Davis, Davis, CA 95616

K. Dienes University of Arizona, Tucson, AZ 85721

S. Godfrey\* Ottawa-Carleton Institute for Physics, Department of Physics, Carleton University, Ottawa, Canada K1S 5B6

P. Kalyniak Ottawa-Carleton Institute for Physics, Department of Physics, Carleton University, Ottawa, Canada K1S 5B6

D. Kaplan\* University of Chicago, Chicago, IL 60637

G.D. Kribs Department of Physics, University of Wisconsin, Madison, WI 53706

R. Mohapatra University of Maryland, College Park, MD 20742

Y. Nomura Department of Physics, University of California, Berkeley, CA 94720

W. Orejudos Lawrence Berkeley National Laboratory, Berkeley, CA 94720

N. Romanenko Ottawa-Carleton Institute for Physics, Department of Physics, Carleton University, Ottawa, Canada K1S 5B6

M. Schmaltz Fermi National Accelerator Laboratory, Batavia, IL 60510

B. Schumm\* Santa Cruz Institute for Particle Physics and the University of California at Santa Cruz, Santa Cruz, CA 95064

S. Su California Institute of Technology, Pasadena, CA 91125

abstract We summarize some of the work done by the P3 subgroup on Alternative Models and New Ideas. The working group covered a broad range of topics including a constrained Standard Model from an extra dimension, a discussion of recent ideas addressing the strong CP problem, searches for doubly charged higgs bosons in  $e\gamma$  collisions, and an update on discovery limits for extra neutral gauge bosons at hadron colliders. The breadth of topics reflects the many ideas and approaches to physics beyond the Standard Model.







